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TENTH ANNUAL REPORT
OF THE
North Carolina Sanatorium for the
Treatment of Tuberculosis

SANATORIUM, N. C.

MAR 26 1935

FOR THE PERIOD

FROM JULY 1, 1922, TO JUNE 30, 1923



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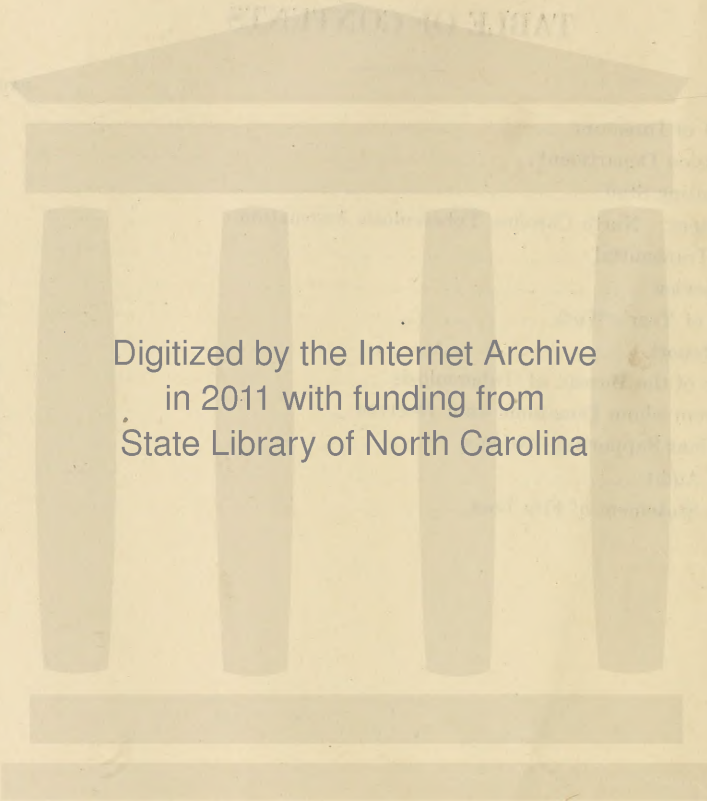
FROM JULY 1, 1922, TO JUNE 30, 1923



RALEIGH
EDWARDS & BROUGHTON PRINTING COMPANY
1924

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NORTH CAROLINA SANATORIUM

FOR THE TREATMENT OF TUBERCULOSIS

PERSONNEL

BOARD OF DIRECTORS

DR. T. W. M. LONG, <i>Chairman</i>	Roanoke Rapids
MR. U. L. SPENCE, <i>Vice-Chairman</i>	Carthage
MR. W. E. HARRISON, <i>Secretary</i>	Rockingham
DR. WILLIAM P. HOLT.....	Duke
DR. J. C. BRASWELL.....	Whitakers
MR. J. C. THOMAS.....	Raeford
MR. J. R. JONES.....	Sanford
MR. JAMES OETTINGER.....	Wilson
MR. R. K. BLAIR.....	Charlotte

Superintendent.....	L. B. McBRAYER, M.D., F.A.C.P.
Assistant Superintendent and Chief of Medical Service.....	P. P. McCAIN, A.B., M.D.
First Assistant Physician.....	S. M. BITTINGER, M.D.
Clinician and Director of Laboratories.....	R. McBRAYER, A.B., M.D.
Assistant Physician.....	J. H. WILLIAMS, A.B., M.D.
Chief Clerk.....	HERBERT O. SINK
Private Secretary to the Superintendent.....	MRS. H. O. SINK
Technician.....	MISS LOIS HUNEYCUTT
Assistant Technician.....	MISS MAUDE MANN
Superintendent of Nurses.....	MISS E. CONNOLLY
Assistant Superintendent of Nurses.....	MISS KATE SATTERWHITE
Cashier.....	F. L. EUBANKS
Steward.....	F. D. CLIFF
Farm Manager.....	L. B. McBRAYER, JR.

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

Director.....	L. B. McBRAYER, M.D., F.A.C.P.
Assistant.....	P. P. McCAIN, A.B., M.D.
Chief Clerk.....	HERBERT O. SINK
Stenographer, Head.....	MRS. H. O. SINK
Stenographer.....	MRS. C. W. COVINGTON
Stenographer.....	MRS. J. H. WILLIAMS
Stenographer.....	MISS SIBYL BRABBLE
Stenographer and X-ray Technician.....	MRS. J. L. SPRUILL
Director Organization and Education Among the Negroes.....	FLORENCE C. WILLIAMS

CONSULTING STAFF

<i>Surgery</i> -----	{ DR. GEO. W. PRESSLY-----	Charlotte
	{ DR. J. F. HIGHSMITH-----	Fayetteville
<i>Eye, ear, nose,</i>	{ DR. JAS. M. LILLY-----	Fayetteville
<i>and throat</i> ---	{ DR. WM. S. JORDAN-----	Fayetteville
<i>Genito-urinary</i> ---	{ DR. A. J. CROWELL-----	Charlotte
	{ DR. J. D. HIGHSMITH-----	Fayetteville
<i>Pathology</i> -----	DR. JAS. B. BULLITT-----	Chapel Hill
<i>Pharmacology</i> ---	DR. WM. DEB. MACNIDER-----	Chapel Hill

PERSONNEL

NORTH CAROLINA TUBERCULOSIS ASSOCIATION

MRS. GORDON FINGER, <i>President</i> -----	Charlotte
MRS. CHAS. R. WHITAKER, <i>Vice-President</i> -----	Southern Pines
DR. L. B. McBRAYER, <i>Managing Director and Secretary-Treasurer</i> -----	Sanatorium
DR. J. L. SPRUILL, <i>Clinic Physician</i> -----	Sanatorium
HERBERT O. SINK, <i>Clerk</i> -----	Sanatorium

DIRECTORS

DR. OTHO ROSS-----	Charlotte
MRS. CUTHBERT MARTIN-----	Wilmington
MRS. W. N. HUTT-----	Southern Pines
MRS. T. D. JONES-----	Darham
DR. C. L. MINOR-----	Asheville
MR. R. B. WILSON-----	Raleigh
DR. R. L. CARLTON-----	Winston-Salem
DR. J. DONNOLLY-----	Charlotte
MRS. C. C. HOOK-----	Charlotte
DR. W. L. DUNN-----	Asheville
COL. J. L. LUDLOW-----	Winston-Salem
MRS. S. H. BROWN-----	Oxford
MRS. J. M. GUDGER, JR.-----	Asheville
MRS. HOWARD RONDTHALER-----	Winston-Salem
MRS. C. J. TINSLEY-----	Greensboro
MRS. MAX T. PAYNE-----	Greensboro
MRS. M. E. ROBINSON-----	Goldsboro

LETTER OF TRANSMITTAL

To His Excellency,
GOVERNOR CAMERON MORRISON,
Raleigh, N. C.

SIR:—I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina State Sanatorium for the Treatment of Tuberculosis for the fiscal year ending June 30, 1923. The report of the Superintendent is accepted as the report of the Board of Directors.

The board requested the State Auditor to install a unit of cost system for the Sanatorium, but the same was not done. However, the same will be carried out in our future operations.

Respectfully submitted,

T. W. M. LONG, M.D.,
Chairman, Board of Directors.

LETTER OF TRANSMITTAL

JANUARY 1879

To the Executive
of the National Academy of Sciences
Washington, D.C.

Sir: I have the honor to transmit herewith the report of the Committee on the operations of the Academy, during the year 1878. The report contains a full statement of the work done by the Academy, and of the results of its operations. It also contains a list of the names of the members of the Academy, and of the names of the persons who have been elected to the Academy during the year 1878. The report is submitted to you in accordance with the resolution of the Academy, passed at its meeting on the 10th of December, 1878.

The report is submitted to you in accordance with the resolution of the Academy, passed at its meeting on the 10th of December, 1878.

Respectfully submitted,

E. W. M. Johnson, Jr.
Secretary, Board of Directors

TENTH ANNUAL REPORT
OF
THE NORTH CAROLINA SANATORIUM FOR THE
TREATMENT OF TUBERCULOSIS

DR. T. W. M. LONG, *Chairman,*
Board of Directors of the North Carolina Sanatorium,
Roanoke Rapids, N. C.

MY DEAR DOCTOR:—I beg to hand you herewith annual report of the North Carolina Sanatorium for the Treatment of Tuberculosis, for the year ending June 30, 1923.

The outstanding loss during the year was the burning of the kitchen, dining-room, storerooms, etc., on the morning of January 12, 1923, at 3 a. m. The beautiful conduct of the patients and the splendid fire fighting of the employees to prevent the burning of the infirmary were remarkable indeed. The fire companies from Aberdeen and Southern Pines came out to help us, which was greatly appreciated. The fire, however, was practically under control when they reached here. Fortunately, our water did not give out until the fire was well under control, though there are many times when we do not have sufficient water to begin fighting a fire. Too much praise cannot be given Mr. F. D. Cliff, the steward, for the serving of meals without let-up. When you consider the fact that the fire was not under control until 4:30, and that all cooking utensils, all the supplies for breakfast, and all the dining-room and kitchen equipment were destroyed, and yet breakfast was served only twenty minutes late, you are led to say, "Remarkable, indeed!" Our thanks are also due to Mayor S. B. Richardson and Mr. Buchan of Southern Pines for their kindly assistance, and to General Bowley, Commandant, Fort Bragg, for lending us two field kitchens and equipment. Elsewhere in the report will be found a statement of the loss, as nearly as could be estimated.

As noted in the body of the report, we are indebted to many friends for donations and kindnesses which have added much to the pleasure of the patients.

Dr. R. McBrayer, clinician and director of laboratories, left us on August 1st to take up the practice of internal medicine in Shelby, North Carolina. Too much cannot be said of his work, both clinical and laboratory, which latter he built up to where it was second to none anywhere.

During the late summer we moved into our service building, containing auditorium, dining-rooms, kitchen, storerooms, cold storage, bakery, etc. This has long been needed, and is entirely adequate for our needs.

The Negro Division of the Sanatorium was opened October 10th. It is on the same general plan as the infirmary building for whites, and has a capacity for sixty-four patients. In addition, it has ample room for administration to increase from four to six times the present patient capacity.

It might not be out of place at this time to contrast the Sanatorium and the tuberculosis work throughout the State with the conditions as they were when we took up the work here April 2, 1914. This, of course, is not intended as a criticism or reflection upon anybody who had been engaged in tuberculosis work prior to that time, because they had been laying the foundation for the work that has been done since. The foundation is always the first step in construction.

In 1914 the buildings were of the very cheapest and crudest kind. The shower bath was on the porch and not heated in any way. The only method of heating the buildings was by fireplaces. There were no lights except lamps and lanterns. The Superintendent, medical staff, and nurses ate in an improvised dining-room that was a closed-in porch, without any heat, for two winters. It was necessary to house the other members of the medical staff in the home of the Superintendent, which was heated by only one fireplace. There were no proper medical offices nor were there any laboratory facilities. There was a small dairy barn, which was a part of the horse barn, and which housed about twelve or fifteen cows; they gave ample milk, however, for the thirty patients who were here at the time. On account of the many changes in personnel, the medical and other records were so poorly made, and kept by so many different systems or lack of any system, that it was impossible to get records of any kind of any considerable number of patients that had been treated here, and therefore it became necessary for us to begin numbering the patients over again, so that our records start with number one.

When it was learned that fresh air was a good thing for the treatment of tuberculosis, we went to the extreme, as we often do in many things, and thought that the more fresh air we could give the patient the better it would be; and therefore sanatoria were built of the cheapest possible construction and did not confine the admission of air to the doors and windows. This was one reason for the type of building erected in the beginning, and the other was that funds were not sufficient to erect any other kind. The first building erected after 1914 was the left wing of the present main building, which on account of lack of funds at the time of building is a brick-wood and slate-roof construction. So far as we know, it was the first building ever constructed for the treatment of tuberculosis that had in mind the comforts and convenience of the patients and the nursing as well. This building was built with a main corridor and, opening off the corridor, on either side, rooms with bath between each two rooms; a diet kitchen and nurses' office on

each ward; a common sleeping porch extending along the sides and end of the building with doors sufficiently wide to allow the rolling of beds into or out of the rooms; and all the rooms, corridor, bath, etc., being steam heated.

Since that time the main building has been completed, giving another infirmary wing, which is fireproof with tile floors, etc., the central portion being administration and furnishing ample offices for the present, from the laboratories of all kinds on the basement floor to the operating, metabolism, and light treatment rooms on the fourth floor.

A small steam and electric light plant was installed at the time of the completion of the left wing. A modern power house, power plant and laundry have just been completed, which will take care of the needs of the institution for some time to come.

The medical work has been improved until it is the equal of any sanatorium anywhere and superior to most.

We may perhaps be pardoned for making record here that the main building, particularly the infirmary wings, has been copied in toto by some states, has been copied with slight changes by many others, and its general plan is used by the United States Government in its Veterans' Bureau, with the exception that the baths are all massed in one room. Perhaps we may also be pardoned for saying that the plans for this building were worked out wholly by the Superintendent and Assistant Superintendent of the institution, as testified to on one occasion by Mr. C. C. Hook, the able architect who worked out the details and prepared the plans for us.

We have treated up to the date of this writing, December 31, 1923, 3,254 patients. The results have been the equal of the best sanatoria in the United States. Since we have had the equipment and personnel to make it possible, we have followed the plan in our medical department of ascertaining all the diseases or conditions that may interfere with the patient's getting well of tuberculosis, relieving the complications where possible, as well as treating the tuberculosis itself. This should be the ideal toward which every sanatorium should strive, because many times a patient fails to get well of tuberculosis for the reason that some other disease or condition prevents it.

Our diagnostic clinic held here every morning in the year except Sunday has been very popular and has been of great help to the physicians and the people of the State. We have examined about 7,000 patients in this clinic.

The extension work of the Sanatorium has carried instructions on the care and prevention of tuberculosis into many, many thousands of homes in the State. The patients who have been treated here have gone away to practice and preach the gospel of prevention and cure of tuberculosis. As an example of the changed attitude of the people, it

was doubtful in 1914 if a sleeping porch could have been found in the State, outside of health resort towns, while at this time the dwelling that is built without a sleeping porch is the exception rather than the rule.

When we came to the Sanatorium there were thirty patients, as mentioned previously, and three graduate nurses, the latter drawing salaries of \$5 per day each, and expenses. As soon as possible the training school for nurses was organized and was later duly incorporated by the State of North Carolina through its General Assembly. This training school for nurses is an important part of the Sanatorium organization; it has been a success from the beginning. The teaching is done by the head nurse and her assistant, the medical staff, and the laboratory staff. So there is no extra expense connected with the teaching except that the teachers work overtime, the classes usually being held at night. The course given is the equal, so far as it attempts to go, of the best hospitals in the State, and admits our graduates to the third year of these hospitals, and our graduates always find themselves fully prepared to take up the third-year work. In addition to carrying on the nursing of the Sanatorium, these girls, practically all of them having had tuberculosis, are given an opportunity to become professional women when they are not physically able to take up the more strenuous work in a general hospital or in other fields. Too much praise cannot be given to our superintendent of nurses, Miss Elizabeth Connolly, for her ability and her patient and untiring efforts with the pupil nurses, as well as the splendid care that she gives to the patients through her nursing staff.

We have also from time to time given post-graduate training in tuberculosis nursing to nurses in this and other states who desired to perfect themselves in this work.

We have allowed physicians to come here and spend from one to two or more weeks studying tuberculosis. This is and should be an important work of the Sanatorium. The medical schools do not even yet teach a physician how to make a diagnosis of an early case of tuberculosis, and it is not only the privilege but the duty of the Sanatorium to teach any and all physicians who desire to come here for that purpose. This, of course, takes some time upon the part of the medical staff, but it is time well spent.

It is always necessary to add to our staff medical men who do not know tuberculosis, and teach them. When they have learned well the work, they can command much more money somewhere else, and the process has to be repeated. We are unable to obtain competent men, men who are able to join with us in the kind of work that is being done here, unless there is some other reason besides the salary offered to bring them here. Usually it is a man who has tuberculosis and cannot do the hard work required in general practice or even in a general hospital. Then we must needs take him on and treat him until he is able to work, probably for only part time, and perhaps always give him rest hours in the middle of the day. The only other man who

comes is the man who is sufficiently interested in the line of work or some particular line of work we are doing to be willing to come and work with us until he has perfected himself in the particular thing desired. The board should look very carefully into the matter of salaries paid assistant physicians here, and satisfy themselves as to whether or not the salaries should be increased.

The North Carolina Tuberculosis Association has been a great ally in the extension work of the Sanatorium. The National Tuberculosis Association was endeavoring to extend its organization and its influence to all the states, and in so doing was organizing state associations or local committees, and was featuring as a matter of education and finance the Tuberculosis Christmas Seal, which was at that time called the Red Cross Christmas Seal. In the spring of 1915 the directors of this association in North Carolina, without the knowledge or consent of your Superintendent, elected him managing director, and he has continued to conduct the work of this association in connection with the Sanatorium and its extension work since that date. From an association little known and without any funds at the time it was taken over, it has developed into a real institution and has done most valuable work along many lines. The total sale of Tuberculosis Christmas Seals annually for the last two years has run over \$40,000 and gives promise at this time of being larger than any previous year. Seventy-five per cent of these funds is kept by the local city or county organization, where such exist, and used locally. The work of this local committee has been of untold benefit in the fight against tuberculosis throughout the State, and at least in one instance has been the nucleus on which was built a splendid county sanatorium.

The State Association, in its State-wide work, has coöperated in every way with all other agencies and has set in motion and perfected a number of fine pieces of work. It has coöperated with the extension department of the Sanatorium in work among the negroes, which has been a model and an inspiration to many other southern states. The State director of this work, Florence C. Williams, has been loaned to West Virginia to establish a similar piece of work there.

The State Association brought the first public health nurse to North Carolina, who later became State director of public health nursing in the State. Later still the association went into coöperation with the American Red Cross, and our State director of public health nursing became State director for the American Red Cross, also in a coöperative nursing service, and later still the State director of public health nursing was turned over to the State Board of Health to become director of the Bureau of Public Health Nursing of the State Board of Health.

The association has featured the Modern Health Crusade and Nutrition Crusade throughout the State.

Before the United States Government was prepared to treat the tuberculous ex-service man, the State Tuberculosis Association paid the amount required at the Sanatorium and made it possible for the Sanatorium to begin the treatment of these ex-service men while there was

yet nowhere in the world for them to go. This money was refunded to the State Association when the Government paid the Sanatorium for the treatment. The association also furnished the Sanatorium with an X-ray laboratory complete when the Sanatorium had no funds with which to purchase it. The milk bottling and sterilizing plants at the dairy were also furnished under the same circumstances.

In many other ways this association has either led the way or been an important ally in the campaign against tuberculosis in North Carolina.

The Sanatorium, if for no other reason than its own interests, should continue the very closest relations possible with this association.

Through its medical staff the Sanatorium has done a considerable amount of research work, both at the Sanatorium and in the field, and papers have been prepared and read before state and national organizations, as well as printed in state and national medical journals. There are some twenty or more papers in process at this time—that is, the work and observation on which these papers are based has been taken, or is ready to be taken, from the daily records of our work here, and there is sufficient material now in the records to complete several of these papers. The last paper published was in the *Southern Medical Journal* for December, 1923, and this paper was published at the request of one of the world's leading men in this particular field, as it contained observations that were of very great importance in the rounding out of methods of procedure, and particularly the deduction of diagnoses therefrom.

The Sanatorium, in connection with its extension work and the State Tuberculosis Association, has furnished the material for the December *Health Bulletin* of the State Board of Health for the last several years, the same being wholly devoted to tuberculosis. In the December (1923) issue there appeared an article by your Superintendent making some observations on the incidence of infection with the tubercle bacillus, deduced from various pieces of work having been done by the extension department of the Sanatorium and correlated with work done by the United States Public Health Service and others in different states in the United States.

We are indebted to the medical faculty of the University, particularly Dr. James B. Bullitt, professor of pathology, and to a lesser degree Dr. Wm. deB. MacNider, professor of pharmacology, for cooperation in some of our laboratory research work. The following statement is a strong one, but I believe it will be concurred in by the leading medical men throughout the country: *The best medical work will not and cannot be done in any hospital or sanatorium unless research work, both clinical and laboratory, is conducted.* There is a considerable amount of research work in tuberculosis that cannot be conducted anywhere else except in a sanatorium. It follows, then, that unless it is done there, it will not be done. Therefore, your Superintendent most strongly urges that you give consideration to this phase of the

work, and recommends with all the forcefulness possible for him to command that this work at the Sanatorium and in the field be continued and encouraged.

Taking it by and large, it would seem that the tuberculosis campaign in North Carolina has been fairly successful, and therefore proving beyond a doubt that it is working along proper lines. In 1913 there was no State-wide vital statistics law, but a goodly number of cities had accurate vital statistics, and from these it was estimated that there were 4,800 deaths in the State from tuberculosis in 1913. This was no doubt correct, for in 1915, when the State-wide vital statistics law was still young and departments evidently not efficient, there were reported to the Bureau of Vital Statistics of the State Board of Health 3,710 deaths from tuberculosis. In 1922 there were 2,369 deaths from tuberculosis—a reduction of more than one-half in the period of nine years. It is apparent that if this ratio of reduction could be kept up for the next ten years we would be free of deaths from tuberculosis in North Carolina. But even if we do it in thirty years, as was suggested by Dr. Linsly R. Williams, managing director of the National Tuberculosis Association, at Durham during the meeting of the North Carolina Conference on Tuberculosis last October, it would still be the greatest accomplishment in the history of the world.

To call forcefully to your attention the importance of the tuberculosis work in the State let me say that tuberculosis is costing the State of North Carolina in sickness and death more than all other preventable diseases put together. Dr. F. M. Register, director of the Bureau of Vital Statistics of the State Board of Health, in an article read before the meeting of the North Carolina Conference on Tuberculosis at Durham, stated: "In 1922 there were more deaths from tuberculosis than from typhoid fever, malaria, measles, smallpox, scarlet fever, whooping cough, poliomyelitis, meningitis, pellagra, burns, railroad accidents, automobile accidents, and homicides combined." But that is not all of it, for one of the tragedies in tuberculosis is that a person cannot die quickly. Statisticians show that on an average he lives three years after he becomes ill with the disease; while diphtheria, if it kills, does so in two or three days, and if the patient gets well, he does so in a week. There is no family so poor but that with the help of the neighbors they can stand an illness of a member of the family for a week, and the expense is small even if death should occur, and the loss is very much smaller, because diphtheria kills young children, while tuberculosis takes its largest toll from those who have finished their education and are ready to enter or have already entered the gainful pursuits of life. It is nothing uncommon for a case of tuberculosis to pauperize a whole family that was otherwise self-supporting. The husband becomes ill with tuberculosis; the wife must stay in the home to nurse him and perhaps an older girl or boy, if there is one, to help, and the total earning capacity of the family is stopped. If this father could be carried to a sanatorium and kept there, the remainder of the family could continue to be self-supporting. But this is only an example. There are many other ways in which the tragedy is equally as

great. One of the frequent ways heretofore is that the father stays in the home and communicates the disease to all the other members of the household. It is expensive to treat tuberculosis. Yes, but it is far more expensive not to treat it.

The additional sickness and disease and death that would have taken place in North Carolina in 1922 if no tuberculosis work had ever been done is estimated to be valued at fifty million dollars, and this is perhaps a low estimate. By the same token we continue to lose fifty million dollars a year in North Carolina in sickness and death from tuberculosis. The people of North Carolina can well afford, then, to spend larger sums of money on the treatment and control of tuberculosis in our State. In fact, they cannot afford to do otherwise.

The one thing that is needed to have complete functioning of the State Sanatorium is a children's building, and that should, in my opinion, be the next building for patients erected here. Then the only thing for enlargement would be additions to the existing units. As we have studied tuberculosis more and more and worked in it more and more, we have found that the campaign against tuberculosis must be taken up with the children. This has been done to some extent through the Modern Health Crusade, through the nutrition clinics, and in other ways; but a building at the State Sanatorium for children is badly needed in order that the Sanatorium can perform its part—which really cannot be performed in any other way—in the work among children in this State. The records will show that the Board of Directors asked the last General Assembly for \$100,000 for this purpose, which for some reason was not granted.

I desire here to express my personal and official appreciation of the splendid work of the medical, nursing, and office staffs, the heads of all departments, and every employee of every kind.

Please let me also express my sincerest appreciation for the hearty coöperation upon the part of each member of the Board.

Very respectfully yours,

L. B. McBRAYER, M.D., F.A.C.P.,

Superintendent.

SUMMARY OF YEAR'S WORK

JULY 1, 1922—JUNE 30, 1923

EXTENSION DEPARTMENT

Letters and postals received.....	37,671
Letters written:	
Individual.....	15,818
Multigraph.....	42,864
	<hr/> 58,682
Articles written (approximate number words):	
Newspaper.....	5,200
Bulletin.....	8,180
Official pamphlet.....	8,650
Other publications.....	22,750
	<hr/> 44,780
Articles copied (approximate number words).....	388,135
Forms and placards prepared.....	163
Total number copies of forms and placards.....	60,500
Blank cards mailed for reporting cases of tuberculosis.....	3,220
Number of cases reported:	
White.....	929
Colored.....	922
	<hr/> 1,851
Literature sent to reported cases.....	2,701
Other literature sent out.....	10,585
Crusaders enrolled.....	44,285
Sample crusade literature.....	1,939
Nutrition crusaders enrolled.....	8,879
Sputum cups distributed.....	120,410
Tuberculin sent physicians for von Pirquet test.....	194
Blanks for reporting results of von Pirquet test.....	194
Patients' histories written.....	447
Approximate number of words in patients' histories.....	670,500
Special X-ray histories written (Gastro-intestinal studies).....	23
Approximate number of words in X-ray histories.....	6,750
Envelopes addressed.....	113,726
Enclosures sent out.....	46,539
Outside patients examined.....	823

REPORT OF L. B. McBRAYER, M.D., F.A.C.P.

Days out of office.....	60
Addresses delivered.....	29
Number in audiences.....	3,055
Consultations and conferences.....	1,342

REPORT OF P. P. McCAIN, A.B., M.D.

Days out of office.....	39
Papers read.....	5
Number in audiences.....	585

REPORT OF R. McBRAYER, A.B., M.D.

Days out of office.....	19
Papers read.....	5
Number in audiences.....	400
Conferences.....	30

TUBERCULOSIS CLINICS

(North Carolina Tuberculosis Association)

J. L. SPRUILL, M.D., *Clinician*

July 1, 1922—June 30, 1923

Number of days in clinics.....	193
Number of addresses given.....	73
Total audiences.....	14,500
Number of positive cases.....	685
Number of negative cases.....	1,158
Number of suspicious cases.....	225
Total number of examinations.....	2,068

SPECIAL EXAMINATIONS OF CHILDREN

Number examined by inspection (adenoids and tonsils).....	102
---	-----

SUMMARY OF WORK AMONG THE NEGROES

Number reached by Mrs. Williams and colored supervisors in health lectures.....	155,886
Number reached by Dr. E. T. Ransom by lectures and health educational moving pictures.....	4,920

MEDICAL REPORT

1923

STATISTICAL

Number of patients to be reported on.....	359
Number not classified.....	13
Number not tuberculous.....	64
Number of patients in Sanatorium July 1, 1923.....	153

Total number of patients treated during the twelve months..... 589

46 PATIENTS WHO STAYED LESS THAN 30 DAYS

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient..... 7	0	0	0	7	0	0
Moderately advanced....12	0	0	0	11	1	0
Far advanced.....27	0	0	0	10	14	3
Acute tuberculosis..... 0	0	0	0	0	0	0
Total.....46						

Total number days, 842. Average stay, 18.3. Longest stay, 29. Shortest stay, 7.

Number gained weight, 29.

Number lost weight, 13.

Average gain.....	3.8 lbs.	Average loss.....	1.9 lbs
Largest gain.....	10.0 lbs.	Largest loss.....	5.0 lbs
Smallest gain.....	.5 lbs.	Smallest loss.....	.5 lbs
Stationary.....	4	Not weighed.....	0

81 PATIENTS WHO STAYED 30 TO 89 DAYS

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....22	0	0	9	13	0	0
Moderately advanced....22	0	0	6	15	2	0
Far advanced.....37	0	0	2	15	15	4
Acute tuberculosis..... 0	0	0	0	0	0	0
Total.....81						

Total number days, 4,938. Average stay, 60.9. Longest stay, 89. Shortest stay, 30.

Number gained weight, 70.

Number lost weight, 11.

Average gain.....	9.4 lbs.	Average loss.....	4.6 lbs.
Largest gain.....	30.0 lbs.	Largest loss.....	10.05 lbs.
Smallest gain.....	.5 lbs.	Smallest loss.....	.25 lbs.
Stationary.....	4	Not weighed.....	

232 PATIENTS WHO STAYED 90 DAYS OR MORE

Condition on Admission	Condition on Discharge					
	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....73	3	38	32	0	0	0
Moderately advanced...82	0	6	46	22	8	0
Far advanced.....77	0	0	23	32	17	5
Acute tuberculosis.....0	0	0	0	0	0	0
Total.....232						

Total number days, 42,724.	Average stay, 184.1.	Longest stay, 790.	Shortest stay, 90.
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Number gained weight, 212.	Number lost weight, 18.
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Average gain.....16.0 lbs.	Average loss.....6.54 lbs.
Largest gain.....69.5 lbs.	Largest loss.....12.00 lbs.
Smallest gain......5 lbs.	Smallest loss......25 lbs.
Stationary.....2	Not weighed.....0

HISTORY OF HEMORRHAGE

Negative.....	206
Positive { Previous only.....	132
{ Previous and during residence.....	5
{ During residence only.....	16

RESULTS OF SPUTUM EXAMINATIONS

Negative or no sputum.....	177
Positive { On admission.....	116
{ During residence.....	142
{ On discharge.....	100

SEX, AGE, AND CIVIL CONDITION

Sex	Age						Civil Condition			
	8-19	20-29	30-39	40-49	50-59	60-70	Single	Married	Widowed	Divorced
Male.....146	42	133	100	64	15	5	133	201	21	4
Female.....213										
Total...359										

NATIONALITY: Americans, 358; Syrian, 1.

COMPLICATIONS

Adenitis	9	Hyperthyroidism	9
Adenoids	1	Hypothyroidism	1
Alveolar abscess	8	Hysteria	1
Amebic dysentery	1	Ischio-rectal abscess	2
Amenorrhea	1	Kyphosis	1
Anal fissure	11	Laceration of cervix	19
Anal fistula	11	Laceration of perineum	10
Ankylosis	2	Laryngitis (tuberculous)	45
Antiflexed uterus	1	Lipoma	1
Antrum infection	2	Lues	5
Aortic regurgitation	1	Malaria	1
Appendicitis	7	Migraine	1
Arteriosclerosis	3	Mitral insufficiency	14
Arthritis (septic)	2	Mitral stenosis	1
Asthma (bronchial)	1	Myocarditis	1
Atrophic rhinitis	2	Myofibroma of uterus	1
Blepharitis	8	Nasal polypi	1
Bronchiectasis	1	Nephritis	22
Bronchitis	20	Neuritis	1
Broncho-pneumonia (tuberculous)	4	Orchitis	1
Cataract	1	Otitis media	9
Cervicitis	1	Pellagra	1
Cholecystitis	4	Perforated nasal septum	4
Conjunctivitis	1	Peritonitis	3
Cystic adenoma	1	Pes planus	1
Cystitis	2	Phimosis	1
Cystocele	5	Pituitary disease	2
Diabetes	2	Pleurisy with effusion	10
Dislocation of hip (left)	1	Potts' disease	1
Duodenal ulcer	1	Pregnancy	2
Ecthyma	1	Prolapsed kidney	1
Eczema	4	Psoas abscess	1
Endocarditis	1	Psoriasis	1
Endocervicitis	2	Pyelitis	2
Enteritis (tuberculous)	10	Pyorrhea	37
Epidymitis	2	Rectocele	5
Erosion of cervix	2	Retroflexion of uterus	8
Fibroma of breast	1	Scoliosis	2
Frontal sinusitis	7	Sebaceous cysts (scalp)	1
Gall bladder disease	4	Spontaneous pneumo thorax	1
Gastric ulcer	1	Strabismus	1
Gonorrhea	1	Subinvolution of uterus	2
Hay fever	1	Tenia cruris	1
Hemorrhoids	10	Tonsillitis	24
Hernia (inguinal)	3	Varicocele	11
Hookworm	20	Visceroptosis	4

OCCUPATIONS

Banker	1	Employees in tobacco factory	8
Barbers	4	Engineers	2
Blacksmith	1	Farmers	40
Bookkeepers	8	Glass workers	1
Butchers	2	Housework	133
Café owner	1	Insurance agent	1
Carpenters	5	Laundress	1
Children	2	Lumber business	1
Clerks	8	Mail carrier	1
Employees in cotton mill	22	Mechanics	2
Employees in hosiery mill	2	Merchants	12

Mill foreman.....	1	Rubber workers.....	3
Mill workers.....	4	Sawmill worker.....	1
Miner.....	1	Seamstress.....	1
Ministers.....	3	Sheet metal worker.....	1
Nurses.....	4	Steam fitter.....	1
Office worker.....	1	Stenographers.....	7
Painter.....	1	Street car conductor.....	1
Physician.....	1	Students.....	36
Plasterer.....	1	Teachers.....	12
Policeman.....	1	Telegraph operator.....	1
Printer.....	1	Telephone business.....	1
Railway car repairer.....	1	Telephone operators.....	6
Railway conductor.....	2	Train dispatcher.....	1
Railway brakeman.....	1	Traveling salesmen.....	5
Railway flagman.....	1		

COUNTIES FROM WHICH 359 PATIENTS CAME

Alamance.....	6	Johnston.....	5
Anson.....	1	Lee.....	6
Beaufort.....	3	Lenoir.....	1
Bertie.....	6	Lincoln.....	3
Bladen.....	3	Madison.....	1
Brunswick.....	1	Martin.....	3
Buncombe.....	2	McDowell.....	4
Burke.....	1	Mecklenburg.....	6
Cabarrus.....	20	Moore.....	5
Caldwell.....	1	Nash.....	5
Camden.....	1	New Hanover.....	5
Carteret.....	4	Northampton.....	1
Catawba.....	3	Onslow.....	2
Chatham.....	1	Orange.....	4
Clay.....	1	Pamlico.....	1
Cleveland.....	1	Pasquotank.....	1
Columbus.....	6	Person.....	1
Craven.....	4	Pitt.....	3
Cumberland.....	4	Randolph.....	3
Davidson.....	12	Richmond.....	2
Davie.....	1	Robeson.....	7
Duplin.....	2	Rockingham.....	6
Durham.....	18	Rowan.....	10
Edgecombe.....	5	Rutherford.....	1
Forsyth.....	14	Sampson.....	3
Franklin.....	1	Scotland.....	2
Gaston.....	4	Stanly.....	10
Gates.....	1	Stokes.....	2
Graham.....	1	Surry.....	10
Granville.....	7	Transylvania.....	2
Guilford.....	17	Tyrrell.....	1
Halifax.....	12	Union.....	3
Harnett.....	7	Wake.....	21
Haywood.....	1	Warren.....	1
Henderson.....	3	Wayne.....	9
Hertford.....	2	Wilkes.....	4
Hoke.....	1	Wilson.....	12
Iredell.....	15		

TOWNS FROM WHICH 359 PATIENTS CAME

Ahoskie.....	2	Asheville.....	1
Albemarle.....	3	Atlantic.....	1
Altamahaw.....	1	Aurora.....	1
Apex.....	2	Badin.....	
Asheboro.....	1	Barium Springs.....	

Beaufort	2	Hope Mills	1
Belcross	1	Huntersville	1
Belhaven	1	Jacksonville	2
Benson	1	Jonesboro	1
Bethel	1	Kannapolis	2
Black Creek	1	Kinston	1
Black Mountain	1	Kipling	1
Boiling Springs	1	Landis	1
Brevard	2	Lasker	1
Brock	1	Laurinburg	1
Buies Creek	1	Lenoir	1
Burlington	1	Lexington	4
Carthage	1	Lillington	2
Castle Hayne	1	Lincolnton	3
Catawba	1	Linwood	1
Cerro Gordo	1	Littleton	2
Chadbourn	1	Louisburg	1
Chapel Hill	3	McAdenville	1
China Grove	2	Madison	2
Charlotte	4	Marion	1
Clarkton	1	Maxton	2
Clayton	1	Mayodan	1
Clemmons	1	Mebane	2
Clinton	2	Middlesex	1
Colerain	2	Mocksville	1
Columbia	1	Monroe	2
Concord	16	Mooresville	2
Corapeake	1	Morehead City	1
Councils	1	Morganton	1
Cramerton	1	Mount Airy	6
Davidson	1	Mount Olive	2
Denton	1	Mount Pleasant	2
Duke	3	Nashville	3
Dunn	1	Nazareth	1
Durham	15	Nealsville	1
Eagle Springs	1	New Bern	4
East Durham	2	New London	3
Elizabeth City	1	Newton Grove	1
Elizabethtown	1	Norlina	1
Elkin	1	North Side	1
Elmwood	1	North Wilkesboro	1
Elrod	1	Norwood	1
Enfield	1	Oakboro	1
Erlanger	2	Olin	1
Fayetteville	2	Oriental	1
Forest City	1	Oxford	5
Garden City	1	Pinehurst	1
Gastonia	2	Pinnacle	2
Gibsonville	2	Pitts	1
Glenwood	1	Proctorville	1
Goldsboro	6	Proximity	1
Greensboro	7	Raeferd	1
Hallsboro	2	Raleigh	15
Hamlet	1	Red Springs	1
Haw River	1	Richfield	1
Hayesville	1	Roanoke Rapids	3
Hemp	1	Rockingham	1
Henderson	3	Rocky Mount	3
Hickory	2	Ronda	2
High Point	6	Rose Hill	1
Hillsboro	1	Rosemary	2
Hobgood	1	Round Peak	1
Holly Springs	1	Roxboro	1

Roxobel	1	Tobaccoville	1
Saint Paul	2	Traphill	1
Salisbury	5	Trinity	1
Sanford	5	Troutmans	3
Scotland Neck	1	Wadestoro	1
Selma	1	Wagram	1
Seven Springs	1	Wallace	1
Shoals	2	Waninish	1
Siler City	1	Washington	1
Simms	2	Watson	1
Smithfield	1	Waxhaw	1
Sophia	1	Waynesville	1
Spencer	1	Weldon	1
Spies	1	Wendell	2
Spring Hope	1	Wentworth	1
Stantonsburg	1	West Durham	1
Statesville	6	Whiteville	1
Stedman	1	Williamston	3
Stem	1	Wilmington	4
Stokes	1	Wilson	8
Stokesdale	1	Windsor	2
Stoneville	2	Winston-Salem	12
Supply	1	Winterville	1
Tarboro	2	Woodleaf	2
Thomasville	4	Woodville	1

OUTSIDE PATIENTS EXAMINED FOR DIAGNOSIS AND CONSULTATION

July	97	February	32
August	74	March	60
September	95	April	66
October	68	May	61
November	64	June	86
December	57		—
January	63	Total	823

Classification:

Ex-patients	223
Positive diagnosis	178
Negative diagnosis	422
Total	823

SUMMARY MEDICAL REPORT JULY 1, 1922, TO JUNE 30, 1923

Patients Admitted:

Incipient	100
Moderately advanced	122
Far advanced	162
Not classified	39
Not tuberculous	33
Total	456

Patients Discharged:

Arrested	3
Apparently arrested	44
Quiescent	123
Improved	131
Unimproved	58
Died	13
Not classified	13
Not tuberculous	60
Total	445

Hospital days	62,873
Number patients, July 1, 1922	151
Number patients admitted	456
Number patients discharged	445
Number patients June 30, 1923	162
State appropriation, maintenance	\$85,000
Cost per patient per day	2.94
Cost per patient per day, state	1.35

REPORT OF X-RAY LABORATORY

Stereoroentgenograms of chest (Sanatorium patients)	495
Stereoroentgenograms of chest (outside patients)	186
Flat plates of other parts of body	106
Total	787
X-ray therapy	50
Gastro-intestinal studies	23

LABORATORY REPORT

Sputum:

(Micros.)	1,877
(Chem.)	593
Total	2,470

Urinalyses:

(Micros.)	1,262
(Chem.)	1,371
Total	2,633

Blood:

R. B. C.	398
W. B. C.	853
Differential R. B. C.	394
Differential W. B. C.	708
Hemoglobin	393
Color index	389
Malaria	435
Wassermanns	508
Urea	186
Culture (State Lab.)	9
Coagulation determination	39
Serum	26
Total	4,338

Feces	760
Fractional Ewalds	268
Vaginal smears	99
Phthaleins	320
Guinea pig inoculations	27
Guinea pig autopsy	26
Rabbit inoculations	87
Rabbit autopsy	11
Dog phthaleins	2
Dog blood ureas	6
Dog urinalyses—Chem.	2
Dog urinalyses—Micros.	2
Dog inoculations	6
Dog autopsy	1

CO ₂ tension.....	31
Basal metabolism determinations.....	71
Additional air analyses.....	22
Gastric analyses HCL only.....	29
Pus from lymph node in neck.....	1
Spinal fluid.....	4
Pleural fluid.....	19
Milk culture.....	3
Water culture.....	3
Culture from throat.....	1
Smear from throat.....	1
Saliva test for acid and free HCL.....	2
Glucose tolerance.....	1
Saliva reaction.....	4
Scales from skin eruption.....	1
Discharge from ear.....	1
Pus from axillary abscess.....	1
Pus from abscess.....	2
Total.....	1,814
Total examinations and tests.....	11,255

PRESENT CONDITION OF ALL INCIPIENT PATIENTS DISCHARGED FROM THE
SANATORIUM PREVIOUS TO JUNE 30, 1922

Condition on Discharge	Condition June 30, 1923	Year Discharged									
		1914	1915	1916	1917	1918	1919	1920	1921	1922	Total
Arrested 54	Living and working.....	0	5	6	12	4	5	10	1	2	45
	Living and not working.....	0	0	0	0	0	0	7	0	0	7
	Dead.....	0	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	1	0	1	0	0	0	2
Apparently Arrested 210	Living and working.....	2	6	26	31	32	15	19	15	12	158
	Living and not working.....	1	1	2	3	3	2	4	8	5	29
	Dead.....	0	1	3	3	0	5	2	1	0	15
	Lost.....	0	1	2	1	1	1	1	1	0	8
Quiescent 141	Living and working.....	3	3	9	12	12	13	15	21	9	97
	Living and not working.....	1	0	1	0	0	1	10	2	3	18
	Dead.....	1	6	3	0	0	2	1	0	0	13
	Lost.....	0	1	3	1	1	1	2	3	1	13
Improved 93	Living and working.....	0	4	12	9	11	4	8	9	4	61
	Living and not working.....	0	0	3	0	0	5	4	3	1	16
	Dead.....	0	1	0	1	2	2	0	0	0	6
	Lost.....	1	1	2	4	0	1	1	0	0	10
Unimproved 5	Living and working.....	0	0	1	1	1	0	0	0	1	4
	Living and not working.....	0	0	0	0	0	0	0	0	0	0
	Dead.....	0	0	0	1	0	0	0	0	0	1
	Lost.....	0	0	0	0	0	0	0	0	0	0
Total 503	Living and working.....	5	18	54	65	60	37	52	46	28	365
	Living and not working.....	2	1	6	3	3	8	25	13	9	70
	Dead.....	1	8	6	5	2	9	3	1	0	35
	Lost.....	1	3	7	7	2	4	4	4	1	33

PRESENT CONDITION OF ALL MODERATELY ADVANCED PATIENTS DISCHARGED
FROM THE SANATORIUM PREVIOUS TO JUNE 30, 1922

Condition on Discharge	Condition June 30, 1923	Year Discharged									
		1914	1915	1916	1917	1918	1919	1920	1921	1922	Total
Arrested 17	Living and working.....	0	4	7	0	1	1	2	0	0	15
	Living and not working.....	0	0	1	0	0	0	0	0	0	1
	Dead.....	0	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	1	0	0	0	0	0	1
Apparently Arrested 58	Living and working.....	3	0	4	6	12	5	3	6	1	40
	Living and not working.....	0	1	1	0	2	0	3	5	0	12
	Dead.....	1	1	1	1	1	0	0	0	0	5
	Lost.....	0	0	0	1	0	0	0	0	0	1
Quiescent 410	Living and working.....	5	9	17	33	27	35	19	27	21	193
	Living and not working.....	0	4	5	7	9	4	12	13	12	66
	Dead.....	15	21	39	25	16	15	3	3	1	138
	Lost.....	0	1	2	2	2	3	2	1	0	13
Improved 260	Living and working.....	5	6	10	12	12	2	13	13	9	82
	Living and not working.....	0	0	2	5	2	4	11	8	4	36
	Dead.....	21	18	20	29	18	11	11	8	1	137
	Lost.....	0	0	0	1	1	1	1	1	0	5
Unimproved 58	Living and working.....	0	0	1	0	0	1	0	1	0	3
	Living and not working.....	0	0	0	0	1	0	4	2	0	7
	Dead.....	1	5	5	4	10	7	8	5	1	46
	Lost.....	0	0	0	0	0	0	2	0	0	2
Total 803	Living and working.....	13	19	39	51	52	44	37	47	31	333
	Living and not working.....	0	5	9	12	14	8	30	28	16	122
	Dead.....	38	45	65	59	45	33	22	16	3	326
	Lost.....	0	1	2	5	3	4	5	2	0	22

PRESENT CONDITION OF ALL FAR ADVANCED PATIENTS DISCHARGED FROM THE
SANATORIUM PREVIOUS TO JUNE 30, 1922

Condition on Discharge	Condition June 30, 1923	Year Discharged									
		1914	1915	1916	1917	1918	1919	1920	1921	1922	Total
Arrested 0	Living and working.....	0	0	0	0	0	0	0	0	0	0
	Living and not working.....	0	0	0	0	0	0	0	0	0	0
	Dead.....	0	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0	0	0	0
Apparently Arrested 1	Living and working.....	0	0	0	0	0	0	0	0	0	0
	Living and not working.....	0	0	0	0	0	1	0	0	0	1
	Dead.....	0	0	0	0	0	0	0	0	0	0
	Lost.....	0	0	0	0	0	0	0	0	0	0
Quiescent 117	Living and working.....	0	4	3	5	5	5	4	4	7	37
	Living and not working.....	0	0	1	1	3	2	4	7	3	21
	Dead.....	3	11	10	12	7	8	0	2	0	53
	Lost.....	0	1	1	3	1	0	0	0	0	6
Improved 228	Living and working.....	0	2	2	3	3	3	4	4	3	24
	Living and not working.....	0	2	2	1	2	1	2	8	12	30
	Dead.....	20	19	18	30	19	13	17	25	7	168
	Lost.....	0	0	1	1	0	1	0	2	1	6
Unimproved 235	Living and working.....	0	0	0	1	1	0	0	1	0	3
	Living and not working.....	0	0	0	0	0	0	2	3	4	9
	Dead.....	19	16	13	16	32	25	23	47	31	222
	Lost.....	0	0	0	0	0	1	0	0	0	1
Total 581	Living and working.....	0	6	5	9	9	8	8	9	10	64
	Living and not working.....	0	2	3	2	5	4	8	18	19	61
	Dead.....	42	46	41	58	58	46	40	74	38	443
	Lost.....	0	1	2	4	1	2	0	2	1	13

LITERATURE OF THE BUREAU OF TUBERCULOSIS

Bulletin No. 61:

Tuberculosis—Its Cure and Prevention.

Bulletin No. 92:

An Act to Prevent the Convicts or Prisoners of North Carolina from Contracting Tuberculosis.

Bulletin No. 129:

County Tuberculosis Problem.

Bulletin No. 202:

Tuberculosis—a Lecture for Teachers.

Bulletin No. 1000:

If There is to be Democratic Equality of Opportunity, There Must be an Equal Opportunity for Health.

Bulletin No. 1003:

Fundamental Principles of Public Health Nursing.

The Next to Go.

The Story of Four Generations.

Is Your Muffler Working or Your Cut-out Open?

They are Dead.

Résumé of the Survey of a Silk Mill Village in North Carolina.

The Tuberculosis Clinic.

The Incidence and the Importance of Pleurisy in Early Tuberculosis, by Dr. P. P. McCain, Sanatorium, N. C.

Health Bulletins of the State Board of Health for November 1920, November 1921, and December 1922.

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Sunday-school literature:

Miss Grace MacKinnon, Bennettsville, S. C.

Magazines:

St. Peter's Parish House, M. D. Strong, Librarian, Morristown, N. J.

Mrs. J. R. Page, Aberdeen.

St. John's Church, Mrs. E. W. Norris, Librarian, Hampton, Va.

Mrs. G. R. White, Southern Pines, N. C.

Church Periodical Club, Mrs. Emma H. Carroll, Chairman, Philadelphia, Pa.

Miss Mary Keller, Southern Pines, N. C.

Candies, nuts, apples, etc.:

Southern Pines Civic Club, Southern Pines, N. C.

Mr. John T. Thorne, Farmville, N. C.

Miss Emma Dale, Farmville, N. C.

Pinehurst friends, Mrs. W. B. Merrill, chairman of committee.

Clothing:

Pinehurst friends, Mrs. W. B. Merrill, chairman of committee.

Potted plants and flowers:

J. J. Fallon Company, Fayetteville, N. C.

Scholtz, the Florist, Charlotte, N. C.

E. Morrelle, Florist, Southern Pines, N. C.

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Davidson	1
American Red Cross, Gastonia	1
American Red Cross, Goldsboro	2
American Red Cross, Greenville	1
American Red Cross, Guilford County	1
American Red Cross, Henderson	1
American Red Cross, Hickory	2
American Red Cross, Kinston	1
American Red Cross, Maxton	1
American Red Cross, Salisbury	1
American Red Cross, Sandhill Chapter, Aberdeen	6
American Red Cross, Raleigh	1
Altamahaw Cotton Mills, Altamahaw	1
Baptist Church, Oxford	1
Board of Commissioners, Mecklenburg	1
Board of Commissioners, Stanly	4
Board of Commissioners, Surry	1
Board of Commissioners, Watauga	1
Centre Brick Warehouse, Wilson	1
Council Tool Company, Wanaish	1
District Nurse and Relief Society, Greensboro	1
Durham Hosiery Mills, Durham	1
Erlanger Cotton Mills, Erlanger	1
Health Department, Charlotte	1
Health Department, Durham	2
Health Department, Winston-Salem	1
Kiwanis Club, Wilson	1
Lawrence S. Holt & Sons, Burlington	1
Loray Emergency Association, Gastonia	1
McLoren Tire Company, Charlotte	1
Methodist Church, Spencer	1
Missionary Society, Baptist Church, Laurinburg	1
Mutual Building and Loan Association, Charlotte	2
National Guards, Durham	1
Norwood Manufacturing Company, Norwood	1
N. C. Federation of Women's Clubs, McBrayer Memorial Bed Fund	5
Popular Fund, Durham	1
Popular Fund, Raleigh	1
Popular Fund, Thomasville	1
Popular Fund and Public Welfare, Boone	1
Presbyterian Sunday School, Charlotte	1
Presbyterian Orphan's Home, Barium Springs	1
Public Welfare, Clinton	1
Public Welfare, Greenville	1
Public Welfare, Hickory	1
Public Welfare, High Point	1
Public Welfare, Kinston	2
Public Welfare, Smithfield	1
Public Welfare, Thomasville	1
Roanoke Mills Company, Roanoke Rapids	1
Rosemary Manufacturing Company, Rosemary	1
Rotary Club and Popular Fund, Salisbury	1
Royal Arch Masons, Greensboro	1
R. R. Brotherhood, Raleigh	1
St. Peter's Episcopal Church, Charlotte	1
Salisbury Cotton Mills, Salisbury	1
Shelby Cotton Mills, Shelby	1
State School for Blind, Raleigh	1
Philathea Class, Brown Memorial Baptist Church, Winston-Salem	1

Tuberculosis Association, Burlington	2
Tuberculosis Association, Cabarrus County	1
Tuberculosis Association, Concord	7
Tuberculosis Association, Davidson	1
Tuberculosis Association, Greensboro	1
Tuberculosis Association, Raleigh	3
Tuberculosis Association, Roanoke Rapids	1
Tarboro Knitting Company, Tarboro	1
Woman's Club, Raleigh	1
United Daughters of the Confederacy, Free Bed Fund	4
Young Men's Christian Association, Kannapolis	1
Young Women's Christian Association, Durham	1

REPORT OF AUDIT

RALEIGH, N. C., November 14, 1923.

HON. BAXTER DURHAM,
State Auditor,
Raleigh, N. C.

DEAR SIR:—In accordance with your instruction, we have audited the records and accounts of the North Carolina Sanatorium of Sanatorium, N. C., for a period beginning July 1, 1922, and ending June 30, 1923, and herewith submit the following report as a result of said audit.

We made our first trip to said institution during the month of May to check out the retiring bookkeeper, and then during the month of October to complete the audit.

In most of our North Carolina institutions the books are kept purely on a receipt and disbursement basis, and our audit shows that the books are neatly and accurately kept and all funds received properly accounted for, though in many instances the expenditures are erroneously classified, and without a reclassification it is impossible to make an accurate operating cost statement, and to attempt this at this late date would consume too much time and would not justify the expense. We cite the following instances for your information: In Schedule 8 there appears an item of \$1,700.89, classified as miscellaneous expense. This was for equipment of various kinds for the different departments of the institution and was paid for from maintenance fund and receipts from patients. Schedule 7 shows miscellaneous expenditures amounting to \$11,857.24. Transportation and drayage and freight and express show large amounts. These accounts should be thoroughly classified and charged to specific accounts.

We call special attention to the operating cost shown by Schedule 8, which shows only cash expenditures and transfers from dairy, farm and hoggery, and does not include anything for depreciation of the fixed assets, which is a legitimate part of the operating and maintenance expense. Our reason for not including this charge in our statement is because it was impossible to ascertain the exact amount that should be charged to the period under review on account of the fact that during this period the old power plant had become useless and was discarded and it would have been unfair to have this period bear this full amount (\$65,344.84). There was also charged off during this period repairs to old buildings amounting to \$32,991.08. For these reasons we have made a statement of expenses and transfers, but have instructed the new bookkeeper what will be necessary for the future.

I regard the present system as thorough and complete as is used in any State institution that I have seen, and I believe is entirely adequate to the needs of this institution, when a thorough classification is made of all receipts and expenditures and definite instruction has been given by the proper authorities as to what part of the equipment should be

charged to maintenance and what part to permanent improvements. The present bookkeeper is competent and interested in his work and has improved the classification.

I realize the fact that being many miles from any bank and the necessity of having a large amount of cash on hand to buy judiciously of country produce or to meet any immediate needs that the institution has, that a large amount of cash purchases have been made, but the receipts reconciled with the bank balances and the cash on hand; but I believe a better plan would be to run a petty cash account, drawing a voucher for a sufficient sum to meet the monthly needs, to keep said amount in a separate drawer, and to make the deposits agree with the daily receipts.

I desire to call your especial attention to a matter that needs to be adjusted with the State Treasurer: The appropriations for the past year were as follows: Permanent improvements, \$199,500, extension fund, \$15,000, and maintenance, \$85,000, making a total of \$299,500. The State Treasurer has deposited in the Page Trust Compny of Aberdeen to the credit of the institution the sum of \$290,550.58, leaving a balance of \$8,949.42. The Treasurer's books show that this balance is due on maintenance, which if not spent during the period reverts to the State, while permanent improvement appropriations remain still due. It is claimed at the institution that they had no notice as to what the amount sent covered, and they show that this amount is due on permanent improvements. I have not used this amount in my list of assets, as I thought best to wait until the matter was adjusted.

During my examination every courtesy was extended me and every facility offered to secure the information desired.

Respectfully submitted,

J. J. BERNARD,

Certified Public Accountant.

INDEX TO AUDIT

Exhibit	"A"	Balance Sheet—Assets and Liabilities.
	"B"	Receipts and Disbursements.
Schedule	"1"	Reconciliation of Cash Account.
	"2"	Fixed Assets.
	"3"	Inventories.
	"4"	Reconciliation of Bank Balances.
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	"9"	Dairy—Profit and Loss Account.
	"10"	Hogs—Profit and Loss Account.
	"11"	Farm—Profit and Loss Account.
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	"13"	Monthly Salaries.

BALANCE SHEET, JULY 1, 1923

EXHIBIT "A"

ASSETS AND LIABILITIES

ASSETS

Cash in drawer.....	\$ 2,662.80	
Cash in Page Trust Company, Aberdeen, N. C.....	12,964.68	
Cash in Page Trust Company, Raeford, N. C.....	28,156.93	
Fixed Assets, Schedule 2.....	690,567.35	
Inventories, Schedule 3.....	95,800.29	
Total assets.....		\$830,152.05

LIABILITIES

Outstanding vouchers, Page Trust Company, Aberdeen, N. C.....	\$ 12,554.55	
Outstanding vouchers, Page Trust Company, Raeford, N. C.....	26,570.13	
Accounts payable, Schedule 5.....	15,575.26	
Unearned receipts, Schedule 5.....	2,700.00	
Total liabilities.....		57,399.94
Balance, net worth July 1, 1923.....		<u>\$772,752.11</u>

EXHIBIT "B"

RECEIPTS AND DISBURSEMENTS

FISCAL YEAR ENDING JUNE 30, 1923

RECEIPTS

STATE APPROPRIATIONS

Permanent improvement fund.....	\$190,550.58	
Extension fund.....	15,000.00	
Maintenance.....	85,000.00	
Total.....		\$290,550.58

SANATORIUM EARNINGS

Board and treatment.....	\$ 96,569.79	
X-ray examinations.....	1,899.50	
Total.....		98,469.29

INTERTRADING ACCOUNTS

Laundry.....	\$ 2,097.48	
Hospital supplies.....	1,729.09	
Telephone and telegraph.....	386.57	
Farms.....	1,762.87	
Provisions.....	440.52	
Dairy.....	6.25	
Transportation and drayage.....	19.02	
Refrigeration.....	115.00	
Hogs.....	72.00	
Old laundry machinery.....	506.00	
Miscellaneous.....	187.30	
Total.....		7,316.10
Total receipts.....		<u>\$396,335.97</u>

DISBURSEMENTS

PERMANENT IMPROVEMENTS

	<i>State Fund</i>	<i>Sanatorium Fund</i>	<i>Total</i>
Repairs and equipment, operating room and infirmary.....	\$ 197.52		
Negro Sanatorium.....	68,484.90		
Dining-room and kitchen.....	72,918.10		
Assistant Superintendent's residence.....	1,819.96		
Repairs to Flannagan Cottage.....	1,394.18		
Kitchen equipment.....	10,569.39		
Power-house and laundry.....	30,488.46		
Light equipment and power.....	566.58		
Ice plant.....	13,050.00		
Sewerage.....	2,555.17		
Laboratory equipment.....	270.00		
Cow barns and silos.....	712.65		
Negro physician residence.....	7,856.50		
Total.....	\$210,883.41		\$ 210,883.41

EXTENSION FUND

Salaries.....	\$ 9,175.00		
Traveling expenses.....	2,288.47		
Furniture and fixtures.....	525.86		
Books and stationery.....	2,250.05		
Stamps.....	621.35		
Miscellaneous.....	139.27		
Total.....	\$ 15,000.00		15,000.00

MAINTENANCE

Salaries:			
Medical.....	\$ 9,183.80	\$ 1,388.23	
Executive.....	3,722.54	961.66	
Nurses and attendants.....	4,573.95	574.00	
Cooks and servants.....	12,698.16	334.12	
Miscellaneous.....		960.00	
Total.....	\$ 30,178.45	\$ 4,218.01	34,396.46
Supplies:			
Bedding and linen.....	\$ 1,962.02	\$ 2,533.33	
Crockery and silver.....	797.00	2,359.18	
Drugs and medicine.....	1,157.15	1,554.27	
Miscellaneous.....	4,963.77	2,927.09	
Total.....	\$ 8,879.94	\$ 9,373.87	18,253.81
Provisions:			
Meats.....	\$ 6,289.05	\$ 12,491.23	
Butter.....	834.13	1,897.42	
Eggs.....	2,230.71	4,242.60	
Vegetables and fruit.....	1,851.38	3,853.89	
Groceries.....	5,342.34	14,046.92	
Total.....	\$ 16,547.61	\$ 36,532.06	53,079.67

	<i>State Fund</i>	<i>Sanatorium Fund</i>	<i>Total</i>
Equipment:			
Furniture and fixtures.....	\$ 125.46	\$ 11,680.38	
Instruments.....	80.63	317.04	
Miscellaneous.....	193.06		
Total.....	\$ 399.15	\$ 11,997.42	\$ 12,396.57
Office:			
Equipment.....	\$ 28.31	\$ 28.74	
Stationery and books.....	91.99	186.61	
Stamps.....	36.50	499.00	
Miscellaneous.....	158.98	5.96	
Total.....	\$ 315.78	\$ 720.31	1,036.09
Power and Heat:			
Labor.....	\$ 1,601.75	\$ 168.37	
Supplies.....	4,876.49	9,456.18	
Total.....	\$ 6,478.24	\$ 9,624.55	16,102.79
Light:			
Labor.....	\$ 500.50	\$ 45.00	
Supplies.....	60.86	214.44	
Equipment.....		111.84	
Total.....	\$ 561.36	\$ 371.28	932.64
Water:			
Labor.....	\$ 499.00	\$ 47.40	
Equipment.....	344.55	4.00	
Supplies.....	29.72	109.52	
Total.....	\$ 873.27	\$ 160.92	1,034.19
Refrigeration:			
Labor.....	\$ 498.00	\$ 45.00	
Equipment.....	14.80	.70	
Supplies.....		25.70	
Total.....	\$ 512.80	\$ 71.40	584.20
Plumbing and Sewerage:			
Labor.....	\$ 498.00	\$ 47.00	
Equipment.....	21.00	33.87	
Supplies.....	47.04	6.25	
Tile.....		350.40	
Miscellaneous.....		29.25	
Total.....	\$ 566.04	\$ 466.77	1,032.81
Farms:			
Buildings.....	\$ 81.24	\$ 1,703.63	
Live-stock.....	450.00	275.00	
Machinery and tools.....	625.23	771.20	
Seeds and fertilizers.....	2,592.33	604.97	
Feed.....	535.14	3,187.75	
Labor.....	1,687.22	4,054.51	
Miscellaneous.....		59.63	
Total.....	\$ 5,971.16	\$ 10,656.69	16,627.85

	State Fund	Sanatorium Fund	Total
Dairy:			
Repairs, buildings and silos.....	\$-----	\$ 137.00	
Live-stock.....	961.48	446.31	
Fixtures.....	462.74	222.12	
Supplies.....	425.69	696.05	
Feed.....	1,015.16	8,742.60	
Labor.....	2,108.09	345.44	
Miscellaneous.....	9.00	27.78	
Total.....	\$ 4,982.16	\$ 10,617.30	\$ 15,599.46
Miscellaneous:			
Labor.....	\$ 77.35	\$ 491.64	
Training School.....	52.57	259.68	
Telephone and telegraph.....	867.68	443.00	
Laundry.....	2,568.26	4,348.57	
Transportation and drayage.....	1,409.44	1,516.22	
Patients refund.....	374.68	2,247.35	
Freight and express.....	152.59	1,639.92	
Hogs.....	53.25	1,101.41	
Landscape.....	52.80	-----	
X-ray.....	1,104.95	1,094.22	
Laboratory.....	238.64	258.29	
Live-stock.....	234.00	-----	
Service wagon.....	243.43	-----	
Furniture and fixtures, Superin- tendent's residence.....	146.59	-----	
Directors' expense.....	141.51	-----	
Repairs Spruill Cottage.....	1,016.30	-----	
Extra employees' house.....	-----	975.70	
Colored building.....	-----	709.24	
Power house.....	-----	3,211.42	
Refectory.....	-----	1,489.47	
Awnings for buildings.....	-----	566.00	
Total.....	\$ 8,734.04	\$ 20,352.03	29,086.07
Total disbursements.....			<u>\$426,046.02</u>

GENERAL SUMMARY

Balances July 1, 1922:

Cash in office.....	\$ 2,420.45
Cash in Page Trust Company, Aberdeen.....	46,768.20
Cash in Page Trust Company, Raeford.....	14,365.98
Total.....	\$ 63,554.63

Less Outstanding Vouchers:

Page Trust Company, Aberdeen.....	\$ 26,025.24
Page Trust Company, Raeford.....	3,159.61
Total outstanding.....	29,184.85
True balance July 1, 1922.....	\$ 34,369.78

RECEIPTS

From State of N. C.:

Permanent improvements.....	\$190,550.58
Extension.....	15,000.00
Maintenance.....	85,000.00

Total..... \$290,550.58

Sanatorium earnings.....	\$ 98,469.29
Intertrading accounts.....	7,316.10

Total..... 105,785.39

Total to account for..... \$430,705.75

DISBURSEMENTS

Permanent improvements.....	\$210,883.41
Extension.....	15,000.00
Maintenance.....	85,000.00

Total appropriation expenditures.....	\$310,883.41
Maintenance from earnings.....	115,162.61

Total disbursements..... 426,046.02

Balance on hand July 1, 1923..... \$ 4,659.73

BANK RECONCILIATION

Cash in office.....	\$ 2,662.80
Cash in Page Trust Company, Aberdeen.....	12,964.68
Cash in Page Trust Company, Raeford.....	28,156.93
Total.....	\$ 43,784.41

Outstanding Vouchers July 1, 1923:

Page Trust Company, Aberdeen.....	\$ 12,554.55
Page Trust Company, Raeford.....	26,570.13

Total..... 39,124.68

Balance as above..... \$ 4,659.73

SCHEDULE "I"

RECONCILIATION OF CASH ACCOUNT

FISCAL YEAR ENDING JUNE 30, 1923

RECEIPTS

1922

July.....	\$ 8,129.95
August.....	9,350.72
September.....	9,523.87
October.....	10,044.99
November.....	8,265.01
December.....	8,610.17

1923

January.....	10,545.00
February.....	7,780.65
March.....	9,197.01
April.....	8,585.96

May	-----\$	8,139.68
June	-----	7,612.38
Total receipts	-----	\$105,785.39
Cash in office July 1, 1922	-----	2,420.45
Total to account for	-----	\$108,205.84

DEPOSITS PAGE TRUST COMPANY, RAEFORD

1922

July	-----\$	8,400.00
August	-----	8,406.04
September	-----	9,698.21
October	-----	10,510.11
November	-----	6,306.82
December	-----	10,474.97

1923

January	-----	11,122.80
February	-----	8,096.36
March	-----	8,356.00
April	-----	9,174.62
May	-----	6,637.16
June	-----	8,359.95

Total deposits for year ----- 105,543.04

Balance in cash drawer July 1, 1923 ----- \$ 2,662.80

SCHEDULE "2"

FIXED ASSETS JULY 1, 1923

Hospital grounds	-----\$	20,000.00
Farms	-----	34,750.00
Administration building and infirmary	-----	248,000.00
Negro Sanatorium	-----	85,768.92
Dining hall and kitchen	-----	99,213.37
Gordon Cottage	-----	7,125.00
Nurses' home	-----	11,400.00
Superintendent's residence	-----	9,500.00
Assistant Superintendent's residence	-----	11,800.00
Power plant and laundry	-----	42,000.00
Flannagan cottage	-----	16,000.00
Sunshine cottage	-----	3,150.00
Physician's residence	-----	4,165.00
Negro physician's residence	-----	8,832.20
Servants' quarters	-----	10,800.00
Nurses' annex	-----	3,197.00
Farm residence	-----	3,000.00
Barns and silos	-----	30,184.96
Power and water plant	-----	16,299.00
Well No. 2	-----	7,000.00
Telephone system	-----	1,500.00
Sewer system	-----	14,000.00
Landscape	-----	2,881.90
Total	-----	\$690,567.35

SCHEDULE "3"

INVENTORIES JULY 1, 1923

Farm:

Supplies	-----\$	1,624.25
Machinery, tools and equipment	-----	3,068.75
Live-stock	-----	1,875.00

Dairy:

Supplies.....	\$ 5,985.15
Herd.....	14,735.00
Hogs.....	5,253.00
Furniture and fixtures:	
Hospital.....	14,621.75
Dining hall and kitchen.....	3,366.00
Superintendent's residence.....	653.00
Nurses' home.....	1,200.00
Bedding and linen.....	6,957.89
Crockery and silver.....	2,721.41
Drugs and medicine.....	2,899.50
Hospital supplies.....	6,608.86
Provisions.....	4,712.68
Training School books.....	226.81
Patients' Library.....	1,135.00
Business office, supplies.....	203.30
Business office, equipment.....	376.15
Extension office, supplies.....	2,355.82
Extension office, equipment.....	4,058.32
Laboratory and medical, equipment.....	10,492.65
Transportation and drayage, equipment.....	670.00

Total.....\$ 95,800.29

SCHEDULE "4"

RECONCILIATION OF BANK BALANCES

FISCAL YEAR ENDING JUNE 30, 1923

PAGE TRUST COMPANY, ABERDEEN, N. C.

Balance in bank July 1, 1922.....	\$ 46,768.20
Deposits by State Treasurer.....	290,550.58
Total.....	\$337,318.78

Vouchers drawn during period.....	\$310,883.41
Vouchers outstanding June 30, 1922.....	26,025.24
Total.....	336,908.65

Balance June 30, 1923.....\$ 410.13

BANK RECONCILIATION

Balance as per statement, July 1, 1923.....	\$ 12,964.68
Outstanding vouchers, July 1, 1923.....	12,554.55

Balance as above.....410.13

Deposits:

1922	
July.....	\$ 25,000.00
September.....	36,666.66
October.....	36,666.67
November.....	22,000.00
December.....	25,166.67
1923	
January.....	12,333.33
February.....	16,666.67

March.....	\$ 25,000.00
April.....	33,333.33
May.....	50,000.00
June.....	7,717.25
Total.....	<u>\$290,550.58</u>

PAGE TRUST COMPANY, RAEFORD, N. C.

Balance in bank July 1, 1922.....	\$ 14,365.98
Deposits during period.....	<u>105,543.04</u>
Total.....	<u>\$119,909.02</u>
Vouchers drawn during period.....	\$115,162.61
Outstanding vouchers July 1, 1922.....	<u>3,159.61</u>
Total.....	<u>118,322.22</u>
Balance July 1, 1923.....	<u>\$ 1,586.80</u>

BANK RECONCILIATION

Balance as per statement July 1, 1923.....	\$ 28,156.93
Vouchers outstanding July 1, 1923.....	<u>26,570.13</u>
Balance as above.....	<u><u>\$ 1,586.80</u></u>

OUTSTANDING VOUCHERS, JULY 1, 1923, PAGE TRUST COMPANY
ABERDEEN, N. C.

Number	Amount	Number	Amount
1891.....	\$ 230.00	1422.....	\$ 150.00
2250.....	4.75	1423.....	140.00
2402.....	3.02	1424.....	45.00
2404.....	19.60	1425.....	100.00
1338.....	40.00	1426.....	100.00
1369.....	34.77	1427.....	325.00
1383.....	400.00	1428.....	61.00
1398.....	55.17	1429.....	100.00
1399.....	9.00	1430.....	75.00
1400.....	90.55	1431.....	110.25
1401.....	250.00	1432.....	195.85
1402.....	100.00	1433.....	459.00
1403.....	100.00	1434.....	11.76
1404.....	100.00	1435.....	368.88
1405.....	50.00	1436.....	12.00
1406.....	50.00	1437.....	24.08
1407.....	50.00	1438.....	122.00
1408.....	40.00	1439.....	237.60
1409.....	200.00	1440.....	213.75
1410.....	83.33	1441.....	6.05
1411.....	25.00	1442.....	280.85
1412.....	250.00	1443.....	53.26
1413.....	200.00	1444.....	234.00
1414.....	200.00	1445.....	36.54
1415.....	150.00	1446.....	77.01
1416.....	40.00	1447.....	1,016.30
1417.....	30.67	1448.....	1,231.15
1418.....	62.50	1449.....	74.57
1419.....	60.00	1450.....	5.00
1420.....	40.00	1451.....	17.85
1421.....	100.00	1452.....	61.55

<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Amount</i>
1453	\$ 196.31	1477	\$ 62.69
1454	7.87	1478	48.24
1455	31.65	1479	203.00
1456	971.65	1480	60.00
1457	120.00	1481	14.97
1458	4.04	1482	5.74
1459	8.60	1483	8.56
1460	3.60	1484	4.20
1461	28.27	1485	34.35
1462	184.50	1486	81.59
1463	171.32	1489	17.00
1464	18.00	1490	5.70
1465	3.00	1491	33.22
1466	26.16	1492	61.34
1467	132.75	1493	4.69
1468	344.01	1494	54.00
1469	9.58	1495	100.00
1470	13.47	1496	41.90
1471	21.28	1497	94.25
1472	25.28	1498	65.67
1473	50.85	1499	31.00
1474	13.70	1500	94.35
1475	4.01		
1476	23.93	Total	\$12,554.55

OUTSTANDING VOUCHERS, JULY 1, 1923, PAGE TRUST COMPANY,
RAEFORD, N. C.

<i>Number</i>	<i>Amount</i>	<i>Number</i>	<i>Amount</i>
2319	\$ 7.60	641	\$ 86.25
179	3.53	642	1.96
692	2.77	643	88.61
306	7.45	644	3.03
1145	.35	645	2.28
595	12.85	646	622.67
623	2.00	647	6.91
625	100.09	648	12.89
627	24.69	649	26.46
628	438.61	650	10.30
629	83.05	651	29.24
630	1,965.41	652	87.41
631	1,030.77	653	14.00
632	1,740.75	654	11.58
633	674.11	655	960.00
634	109.78	656	133.00
635	25.01	657	45.41
636	60.99	658	55.49
637	26.46	659	108.58
638	99.58	660	71.28
639	639.63		
640	9.00	Amount forward	\$ 9,446.83

Number	Amount	Number	Amount
Amount forward.....	\$ 9,446.83	681.....	\$ 16.50
661.....	162.45	682.....	33.75
662.....	11.60	683.....	152.25
663.....	35.22	684.....	118.10
664.....	1.00	685.....	300.00
665.....	30.37	686.....	108.00
666.....	3.76	687.....	600.00
667.....	106.75	688.....	1,790.54
668.....	71.39	689.....	2,174.49
669.....	122.67	690.....	47.46
670.....	7.14	691.....	27.25
671.....	122.41	692.....	266.00
672.....	168.97	693.....	2,500.00
673.....	95.62	694.....	55.57
674.....	2.10	695.....	313.68
675.....	15.04	696.....	5,126.95
676.....	7.90	697.....	1,422.76
677.....	4.90	698.....	36.72
678.....	423.00		
679.....	136.09	Total.....	<u>\$26,570.13</u>
680.....	504.00		

SCHEDULE "5"

ACCOUNTS PAYABLE JULY 1, 1923

Hopkins Bargain House:

400 blankets @ \$2.75.....	\$ 1,100.00
50 dozen linen crash towels @ \$1.50.....	75.00
20 dozen slipover mattress protectors @ \$12.00.....	240.00
	<u>\$ 1,415.00</u>

Pomona Terra-cotta Company, 2 cars sewer tile.....	665.00
Furniture for dining room, etc.....	6,331.95
Furniture for auditorium.....	600.00
Repairs McAnulty Cottage (estimated).....	1,500.00
Linen, sheets, and pillowcases.....	1,000.00
Kitchen.....	680.31
Shades.....	252.00

Electric fixtures:

Ceiling fans for dining-room.....	\$ 842.00
Fixtures for dining-room.....	894.00
Negro Sanatorium cottage.....	842.00
	<u>2,578.00</u>

Screens:

Dining-room.....	}		
Negro Sanatorium.....			
Negro cottage.....			
Total.....			<u>\$ 15,575.26</u>

Unearned receipts (estimated).....	<u>\$ 2,700.00</u>
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SCHEDULE "6"

TRIAL BALANCE JULY 1, 1923

	Dr.	Cr.
Surplus.....	\$	\$971,637.48
Real estate, hospital grounds.....	19,944.74	
Gordon cottage.....	7,500.00	
Negro Sanatorium.....	85,768.92	
Nurses' home.....	12,000.00	
Superintendent's residence.....	10,000.00	
Assistant Superintendent's residence.....	12,326.45	
Dining hall and kitchen.....	99,213.37	
Well No. 2.....	7,000.00	
Administration building.....	260,756.12	
Power plant and laundry.....	42,446.73	
Flannagan cottage.....	16,847.18	
Servants' quarters (colored).....	12,000.00	
Nurses' annex.....	3,552.00	
Physicians' residence.....	4,516.30	
Sunshine cottage.....	3,500.00	
Farm operating account.....	713.80	
Repairs old building.....	32,991.08	
Real estate—Farms.....	34,831.24	
Farm machinery and equipment.....	3,864.88	
Farm live-stock.....	1,775.00	
Farm residence.....	2,996.63	
Dairy operating account.....		77.25
Dairy barns and silos.....	30,184.96	
Dairy live-stock.....	16,572.83	
Hogs.....	3,213.21	
Furniture and fixtures—Hospital.....	17,744.87	
Furniture and fixtures—Dining hall and kitchen.....	8,974.00	
Furniture and fixtures—Superintendent's residence.....	1,133.33	
Furniture and fixtures—Nurses' home.....	1,050.00	
Bedding and linen.....	11,279.52	
Crockery and silverware.....	4,051.91	
Drugs and medicine.....	5,160.92	
Hospital.....	11,790.60	
Provisions.....	81,109.89	
Training school books.....	510.41	
Power, heat, light and water.....	81,643.84	
Telephone system.....	2,424.11	
Patients' library.....	135.00	
Business office—Supplies.....	1,210.00	
Business office—Equipment.....	449.05	
Extension office—Supplies.....	4,121.72	
Extension office—Equipment.....	4,621.54	
Laboratory and medical office equipment.....	12,649.10	
Sewer system.....	14,467.59	
Transportation and drayage equipment.....	4,696.13	
Landscape.....	2,881.90	
Permanent improvements.....	2,078.01	
Appropriations.....		2,078.01
Patients' board and treatment.....		96,569.79
Page Trust Company, Raeford balance.....	1,586.80	
Page Trust Company, Aberdeen balance.....	410.13	
Salaries and wages.....	46,427.92	
Laundry account.....	4,819.35	
Patients' refund.....	2,621.93	
Freight and express.....	1,792.51	
Sale old laundry machinery.....		500.00
Negro physician's residence.....	8,832.20	
Cash in drawer.....	2,662.80	

Totals.....	\$ 1,070,852.53	\$1,070,852.53
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SUMMARY OF DISBURSEMENTS

FISCAL YEAR ENDING JUNE 30, 1923

SCHEDULE "7"

	Perma- nent Im- provements	Extension	Provisions	Equipment	Salary and Wages	Supplies	Repairs	Live Stock	Mis- cellaneous	Total
Exhibit "B," page 1.....	\$210,883.41	\$ 15,000.00	\$.....	\$.....	\$.....	\$.....	\$.....	\$.....	\$.....	\$225,883.41
Hospital.....			53,079.67	12,396.57	34,396.46	18,253.81				118,126.51
Office.....				57.05		979.04				1,036.09
Power and heat.....					1,770.12	14,332.67				16,102.79
Light.....						275.30				932.64
Water.....				111.84	545.50					1,034.19
Refrigeration.....				348.55	546.40	139.24				584.20
Plumbing and sewerage.....				15.50	543.00	25.70				584.20
Farm.....				54.87	545.00	82.54	350.40			1,032.81
Dairy.....				1,396.43	5,741.73	6,979.82	1,784.87	725.00		16,627.85
Training school.....				684.86	2,453.53	10,916.28	137.00	1,407.79		15,599.46
Telephone and telegraph.....								312.25		312.25
Laundry.....								1,310.68		1,310.68
Transportation and drayage.....								6,916.83		6,916.83
Patients' refund.....								2,925.66		2,925.66
Freight and express.....								2,621.93		2,621.93
Hogs.....								1,792.51		1,792.51
Landscape.....								1,154.66		1,154.66
Expenses board of directors.....								52.80		52.80
Miscellaneous.....	4,700.89							141.51		141.51
Totals.....	\$215,584.30	\$ 15,000.00	\$ 53,079.67	\$ 17,126.64	\$ 48,086.43	\$ 53,575.55	\$ 3,997.81	\$ 2,366.79	\$ 17,228.83	\$ 426,046.02

SCHEDULE "8"

OPERATING COST OF HOSPITAL

FISCAL YEAR ENDING JUNE 30, 1923

Provisions purchased	\$ 53,079.67	
Dairy transfers	20,890.04	
Farm transfers	3,328.65	
Hoggery transfers	1,683.20	
	<u>\$ 78,981.56</u>	
Less sale of provisions	440.52	
Total		\$ 78,541.04
Salary and wages		39,891.17
Supplies	\$ 35,679.45	
Less sales	1,729.09	
Total		<u>33,950.36</u>
Repairs		2,075.94
Training School		312.25
Telephone and telegraph	\$ 1,310.68	
Less collected tolls	386.57	
Total		<u>924.11</u>
Laundry	\$ 6,916.83	
Less collected from patients	2,097.48	
Total		<u>4,819.35</u>
Transportation and drayage	\$ 2,925.66	
Less collected from patients	19.02	
Total		<u>2,906.64</u>
Freight and express		1,792.51
Expenses Board of Directors		141.51
Miscellaneous	\$ 4,700.89	
Less miscellaneous sales	187.30	
Total		<u>4,513.59</u>
Total operating cost		<u><u>\$169,868.47</u></u>
Average number patients		167
Average daily cost per patient		\$2.79
Average number employees		63

SCHEDULE "9"

DAIRY—PROFIT AND LOSS ACCOUNT

JULY 1, 1922, TO JUNE 30, 1923

Gross sales		\$ 20,611.33
Inventory July 1, 1922	\$ 2,112.65	
Expenditures	18,421.43	
	<u>\$ 20,534.08</u>	
Less inventory June 30, 1923	5,985.15	14,548.93
Gross profit on operation		<u>\$ 6,062.40</u>
Live-stock—expense	\$ 1,837.83	
Net gain	4,224.57	
	<u>\$ 6,062.40</u>	<u>\$ 6,062.40</u>

SCHEDULE "10"

HOGS—PROFIT AND LOSS ACCOUNT

Gross sales.....		\$ 1,755.20
Inventory July 1, 1922.....	\$ 3,257.25	
Expenditures.....	1,711.16	
	<hr/>	
	\$ 4,968.41	
Less inventory June 30, 1923.....	5,253.00	
	<hr/>	
Balance.....	\$ —284.59	
Net gain.....	2,039.79	
	<hr/>	
	\$ 1,755.20	\$ 1,755.20

SCHEDULE "11"

FARM—PROFIT AND LOSS ACCOUNT

Gross sales.....		\$ 13,090.64
Inventory July 1, 1922.....	\$ 475.85	
Expenditures.....	13,328.59	
	<hr/>	
Total.....	\$ 13,804.44	
Inventory of June 30, 1923.....	1,624.25	12,180.19
	<hr/>	
Gross profit on operation.....		\$ 910.45
Real estate.....	\$ 81.24	
Machinery and equipment.....	796.13	
Live-stock.....		160.00
Residence.....		3.37
Net gain.....	136.45	
	<hr/>	
	\$ 1,013.82	\$ 1,013.82

SCHEDULE "12"

RECAPITULATION OF MILK PRODUCTION JULY 1, 1922,
TO JUNE 30, 1923

Month 1922	Pounds Produced
July.....	26,157.30
August.....	25,552.52
September.....	21,865.56
October.....	25,366.51
November.....	20,623.70
December.....	21,980.50
1923	
January.....	20,169.70
February.....	20,107.70
March.....	19,810.00
April.....	22,275.10
May.....	24,563.60
June.....	23,414.30
	<hr/>
Total pounds.....	271,886.49
	or
33,985.80 gallons @ 60 cents.....	\$ 20,391.48

SCHEDULE "13"

MONTHLY SALARIES

EXECUTIVE:

	<i>Total</i>	<i>Extension</i>	<i>Maintenance</i>
Dr. L. B. McBrayer, Superintendent	\$ 333.33	\$ 250.00	\$ 83.33
Dr. P. P. McCain, Asst. Supt.	250.00		250.00
Dr. R. McBrayer, Physician	200.00		200.00
Dr. S. M. Bittinger, Physician	200.00		200.00
Dr. J. H. Williams, Physician	150.00		150.00
Dr. J. W. Walker, Col. Physician	200.00	200.00	
Total	\$1,333.33	\$ 450.00	\$ 883.33

OFFICE:

F. L. Eubanks, bookkeeper	\$ 100.00		\$ 100.00
H. O. Sink, chief clerk	100.00	\$ 100.00	
Mrs. H. O. Sink, stenographer	100.00	100.00	
Mrs. C. W. Covington, stenographer	100.00	100.00	
Mrs. J. H. Williams, stenographer	50.00	50.00	
Miss Sibyl Brabble, stenographer	50.00	50.00	
Miss Mary Bulla, stenographer	25.00	25.00	
P. A. Fore, assistant clerk	75.00	75.00	
Total	\$ 600.00	\$ 500.00	\$ 100.00

LABORATORY:

Miss Lois Hunnicutt, technician	\$ 100.00		\$ 100.00
Miss Maude Mann, technician, clerical	40.00		40.00
Total	\$ 140.00		\$ 100.00

NURSES:

Miss E. Connolly, head nurse	\$ 125.00		\$ 125.00
Miss Sue Burton, graduate nurse	60.00		60.00
Miss K. Satterwhite, graduate nurse	60.00		60.00
Miss E. Darden, nurse	10.00		10.00
Miss V. Lancaster, nurse	10.00		10.00
Miss Sadie Wagner, nurse	10.00		10.00
Miss Della Vestal, nurse	10.00		10.00
Miss Nauva Cherry, nurse	10.00		10.00
Miss Ethel Smithy, nurse	10.00		10.00
Miss Margaret Darden, nurse	10.00		10.00
Miss Bessie McGinnis, nurse	10.00		10.00
Miss Willie Askew, nurse	10.00		10.00
Miss M. McAdams, nurse	10.00		10.00
J. W. Reece, attendant	10.00		10.00
E. L. White, attendant	10.00		10.00
Total	\$ 365.00		\$ 365.00

ATTENDANTS:

E. B. Satterwhite, telephone	\$ 40.00		\$ 40.00
Miss M. Flanagan, housekeeper	40.00		40.00
Total	\$ 80.00		\$ 80.00

DINING-ROOM AND KITCHEN:

	<i>Total</i>	<i>Extension</i>	<i>Maintenance</i>
F. D. Clift, steward.....	\$ 150.00		\$ 150.00
Monroe Rowland, cook.....	100.00		100.00
Frank Wiley, cook.....	100.00		100.00
Gilbert McGregor, cook.....	50.00		50.00
J. D. Bandy, waiter.....	30.00		30.00
Nathan Patterson, waiter.....	30.00		30.00
Will Smith, waiter.....	30.00		30.00
Frank Harrison, waiter.....	45.00		45.00
Clarence Fowler, waiter.....	37.50		37.50
Cary Harrison, orderly.....	50.00		50.00
Arthur McGregor, waiter.....	30.00		30.00
Henry McEachin, waiter.....	30.00		30.00
Gus Miller, waiter.....	45.00		45.00
Tinsie Fowler, waiter.....	25.00		25.00
W. M. Holmes, servant.....	25.00		25.00
McKinney Patterson, servant.....	25.00		25.00
R. McLoughlin, servant.....	25.00		25.00
James McPhaul, servant.....	25.00		25.00
Leroy Sorrell, servant.....	25.00		25.00
John Davis, servant.....	25.00		25.00
John Reeves, servant.....	25.00		25.00
John Stalk, servant.....	25.00		25.00
Irving Davis, servant.....	20.00		20.00
Ella Stalk, maid.....	17.50		17.50
Mary Davis, maid.....	17.50		17.50
Effie Goodgain, maid.....	17.50		17.50
Iya Harrison, maid.....	17.50		17.50
Nola McEachin, maid.....	17.50		17.50
Total.....	\$1,060.00		\$1,060.00

GENERAL SERVANTS:

Andy Henderson.....	\$ 30.00		\$ 30.00
James Fowler.....	45.00		45.00
Howard Fowler.....	45.00		45.00
Total.....	\$ 120.00		\$ 120.00

MISCELLANEOUS:

Frank Mizzell, superintendent building construction.....	\$ 240.00		\$ 240.00
I. E. McNulty, engineer.....	150.00		150.00
A. B. Freeman, assistant engineer.....	150.00		150.00
W. G. Young, fireman.....	75.00		75.00
Robert Peebles, fireman.....	75.00		75.00
T. H. Redmond, laundryman.....	100.00		100.00
Total.....	\$ 790.00		\$ 790.00

FARM AND DAIRY:

L. B. McBrayer, Jr., superintendent.....	\$ 100.00		\$ 100.00
Regan Byrd and family, dairyman.....	150.00		150.00
E. Fowler, laborer.....	45.00		45.00
W. Fowler, laborer.....	30.00		30.00
J. Lowe, laborer.....	45.00		45.00
P. Richardson, laborer.....	40.00		40.00
M. Cunningham, laborer.....	40.00		40.00
C. Cunningham, laborer.....	40.00		40.00
R. Cunningham, laborer.....	40.00		40.00
Total.....	\$ 530.00		\$ 530.00

Total salaries of institution.....	\$5,018.33	\$ 950.00	\$4,068.33
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SUMMARY STATEMENT OF FIRE LOSS AT THE NORTH CAROLINA SANATORIUM, SANATORIUM, N. C.

Loss by fire:

Old dining-room, kitchen, and equipment.....	\$20,683.00
New building.....	23,401.00
Food supplies.....	750.00
Total loss.....	<u>\$44,834.00</u>

Replacement cost:

New building.....	\$23,401.00
Equipment.....	10,683.00
Food supplies.....	750.00

Total cost of replacement.....\$34,834.00

Omit rebuilding old kitchen.....	10,000.00
	<u>\$34,834.00</u>

By reference to replacement statement, it is noted that the cost of reconstructing old kitchen has been omitted, as the institution at this time does not consider this necessary, which leaves a total net loss of \$34,834. This amount is needed at the earliest possible moment to provide for replacing the damaged building and equipment.

Fire insurance on the above loss is partially covered through policy issued with the Insurance Commissioner, which amounts to approximately \$4,550. Such part of it that may be recovered will be credited to the total cost of replacement.

An itemized statement in detail covering all items upon which this statement is based is on file with the Superintendent of the Sanatorium, and with Mr. H. A. Underwood, engineer, Joint Building Committee.

Respectfully submitted,

NORTH CAROLINA SANATORIUM,
By L. B. McBRAYER, Superintendent.

JOINT BUILDING COMMITTEE,
By H. A. UNDERWOOD, Engineer.

RALEIGH, N. C., January 15, 1923.

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